

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002444**Date Inspected:** 25-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG Suspender Bracket- 9 sets- SB50E, SB52E, SB52W, SB54E, SB56W, SB62E, SB64E, SB68E and SB 70E for surface preparation inspection, vide request no. 3458 at Blasting shop 2. This Caltrans inspector observed, ABF inspectors Mr. Sun , Mr. Turtle and Mr. Yui performing said inspection check . It was observed that, these surfaces were accepted by ABF Inspectors after minor reblast and after attending some Grinding points. The surface profile found to be in the range of 72 to 77 microns. The ambient conditions were monitored and is 3.6 deg. above dew point and the relative humidity found to be 79.4% which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the course of this inspection process. (Photograph attached)

2. An inspection was requested for the Traveler Rail Brackets- 9 sets, Splices, Vortex plate splices, Bike path 2 sets -BK 001-035, 036, Bike path splices -12 pieces and 4 sets of suspender Brackets (SB58W, SB64W, SB68W, SB66E) for Surface preparation inspection, vide notification no. 3459 at Blasting shop 1 . This Caltrans inspector observed, ABF inspectors Mr. Sun, Mr. Shi Stone, Mr. Turtle and Mr.Vince performing said inspection check . The same was found accepted by ABF Inspectors after minor reblasting and Grinding in some of the marked places. The surface profile found to be in the range of 72 to 84 microns, and the salt test result found to be 20us/cm which is acceptable as per contract documents. The ambient conditions were monitored and is 3.4 deg. above dew

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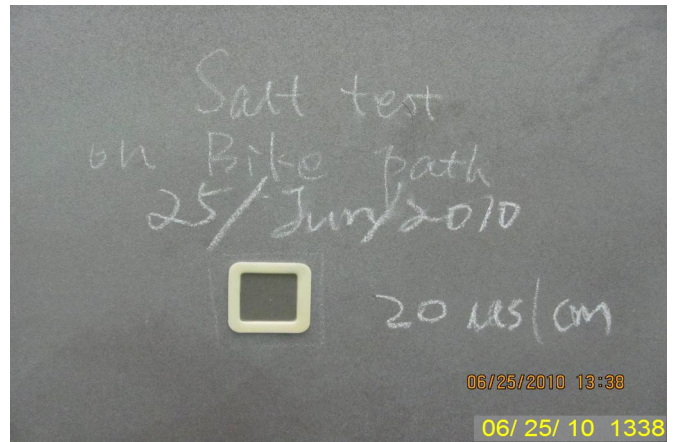
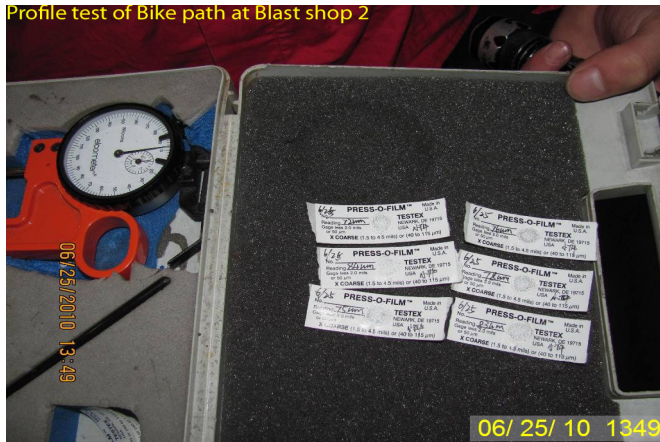
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point and the relative humidity found to be 76.6% which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the course of this inspection process. (Photograph showing Salt test and profile test results is attached)

3. An inspection was requested for the OBG Splices -608 pieces, Shim plate 54 nos, Counter weight -2 nos (CW 58 & CW 70), Counter weight cover plate -24 nos and Suspender bracket -2 nos (SB 50W and SB70W) for Washing and Degreasing inspection at outside Blasting shop, vide inspection request no. 3455. This Caltrans inspector observed, ABF inspector Mr. Turtle and Mr. David performed the Degreasing inspection and accepted the same after it is found satisfactory. International protective coating representative was not found present during the inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Profile test of Bike path at Blast shop 2



Blasting Inspection of Suspender Bracket at Blast shop 2



## Summary of Conversations:

As discussed with Mr. Mazen Wahbeh, Application of Interzinc 52 instead of Interzinc 22 for OBG connection weld seam external surfaces of Lift 7 & 8 has to be discontinued, effective from today on account of the arrival of Interzinc 22 on 24th of June 2010 at ZPMC premises. The same was conveyed to Mr. Don Walton and Mr. James Lumley by telephonic conversation.

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar,Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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